



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Hughey et al. GROUP: 2881  
SERIAL NO: 09/938,277 EXAMINER: Unknown  
FILED: 08/23/2001  
FOR: SAMPLE INTRODUCTION INTERFACE  
FOR ANALYTICAL PROCESSING

Assistant Commissioner of Patents  
Washington, D.C. 20231

Attn: Official Draftsman

TRANSMITTAL OF FORMAL DRAWINGS

Applicant submits herewith new drawing(s) for this application. Attached please find sixteen (16) sheets of formal drawings for this application.

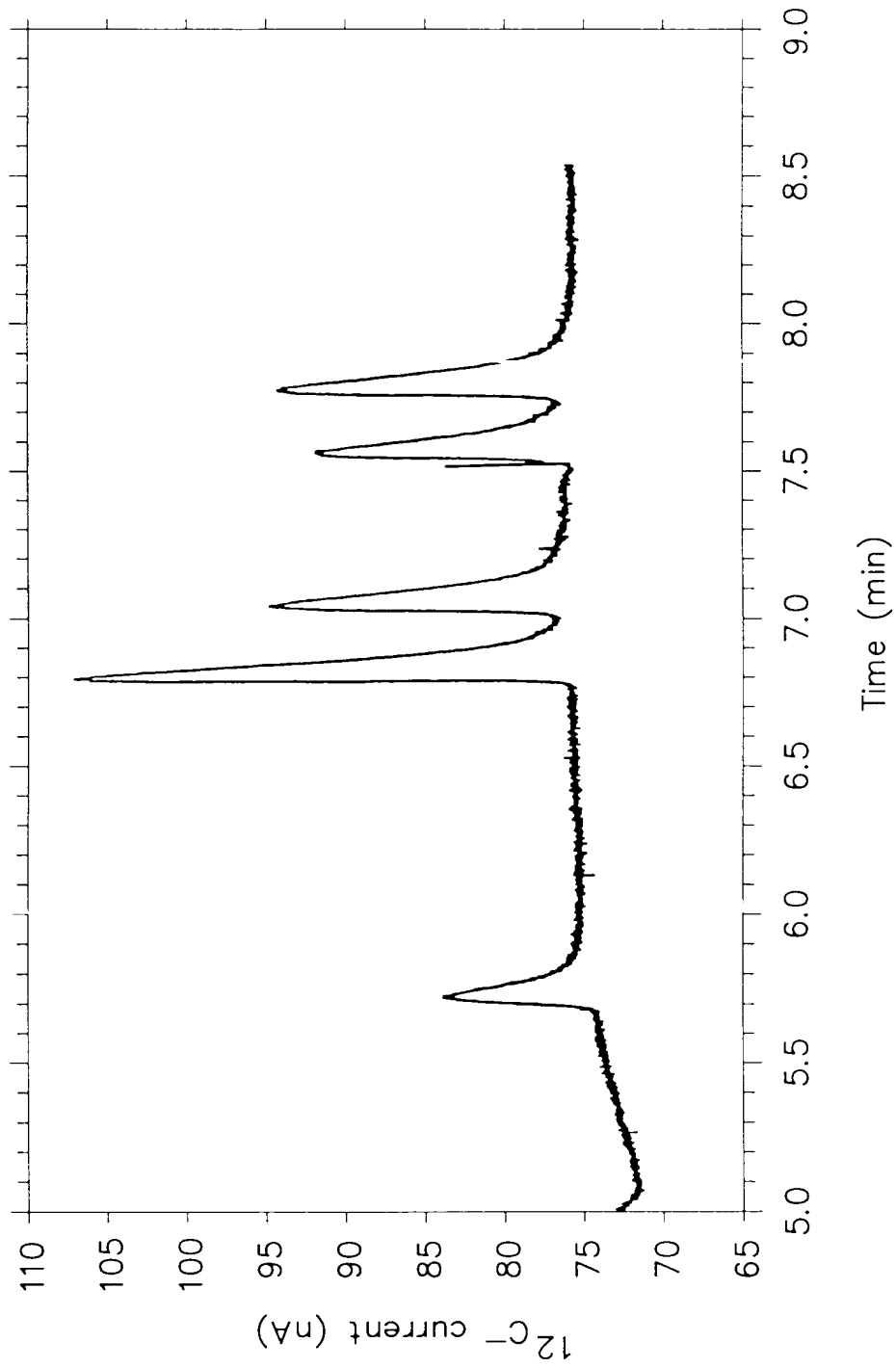
The Commissioner is authorized to charge Deposit Order Account No. 19-0079 for any further extension and/or fee that is required.

Respectfully submitted,

Patrick J. O'Shea  
Registration No. 35,305  
Samuels, Gauthier & Stevens  
225 Franklin Street, Suite 3300  
Boston, Massachusetts 02110  
Telephone: (617) 426-9180  
Extension 121

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231, Attn: Official Draftsman.

Date: 11-28-2001

*FIG. 1*

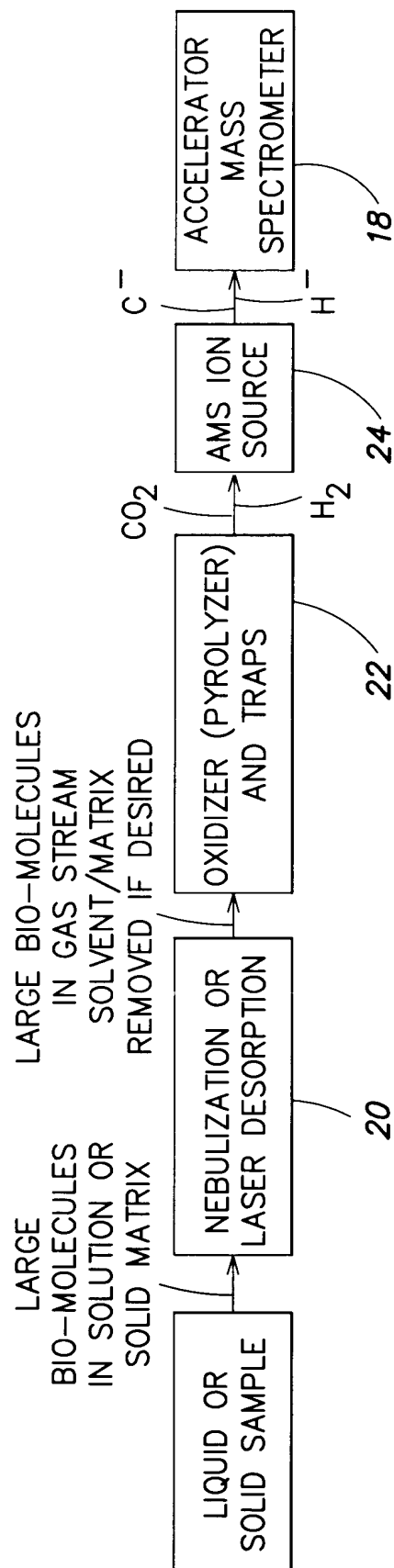


FIG. 2

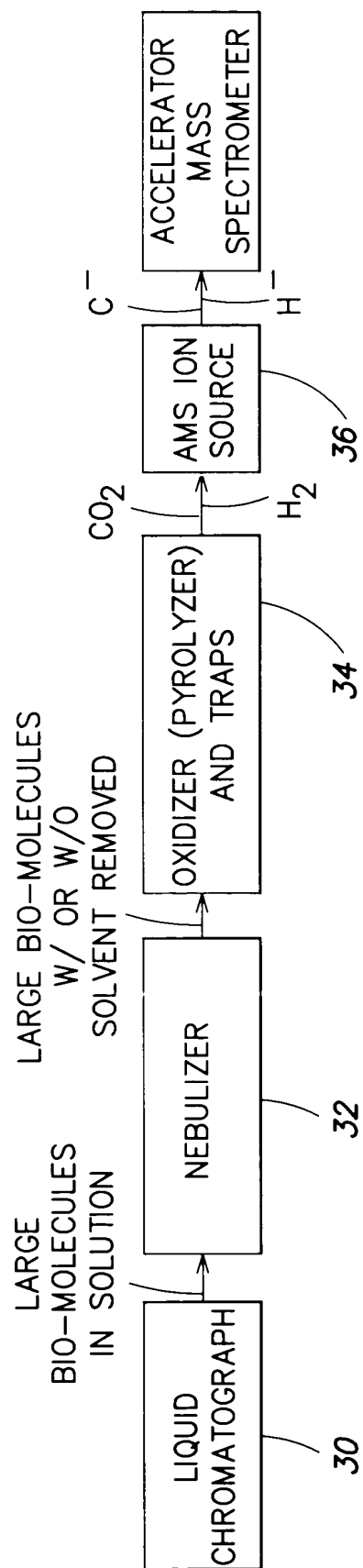


FIG. 3

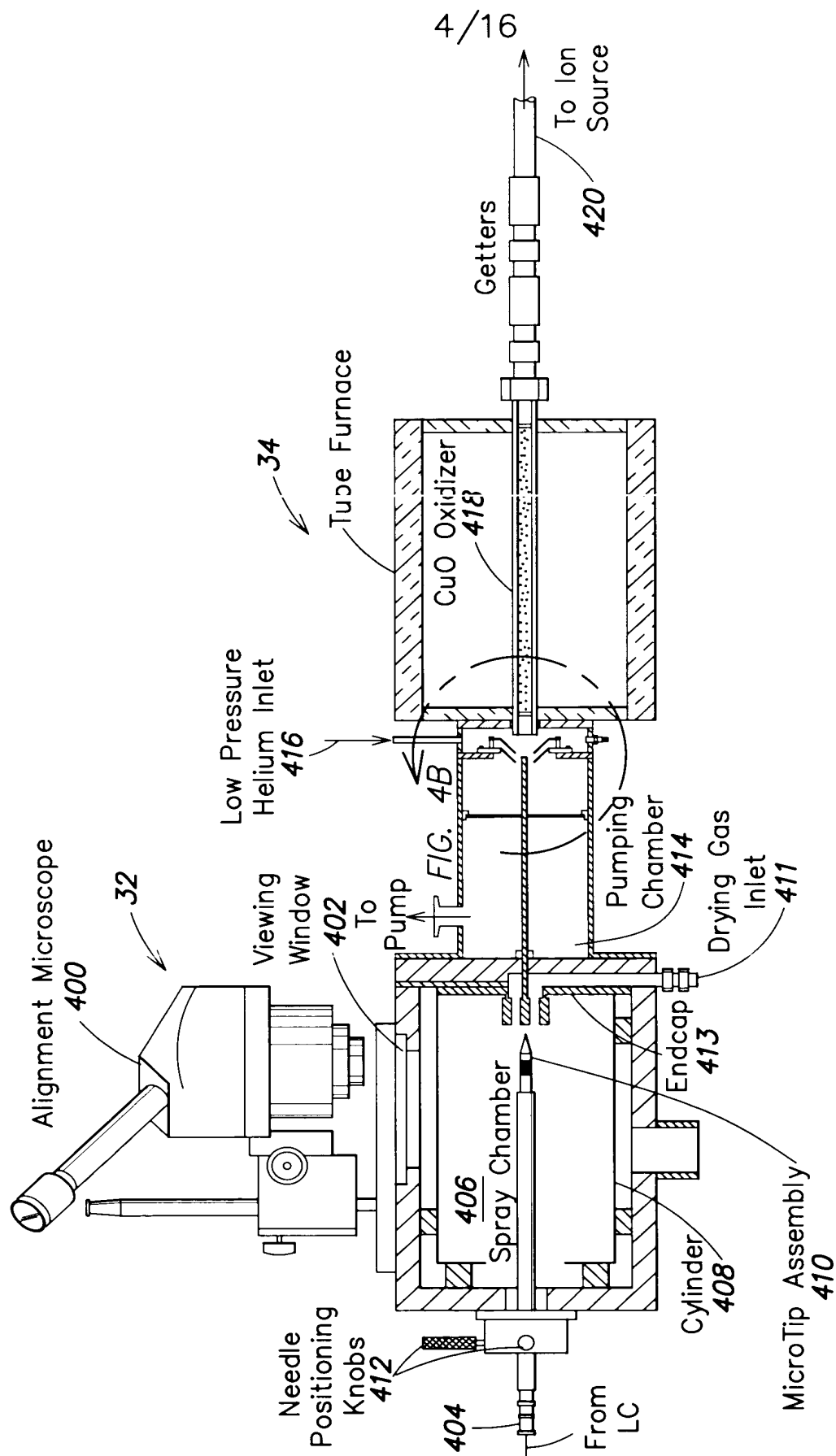
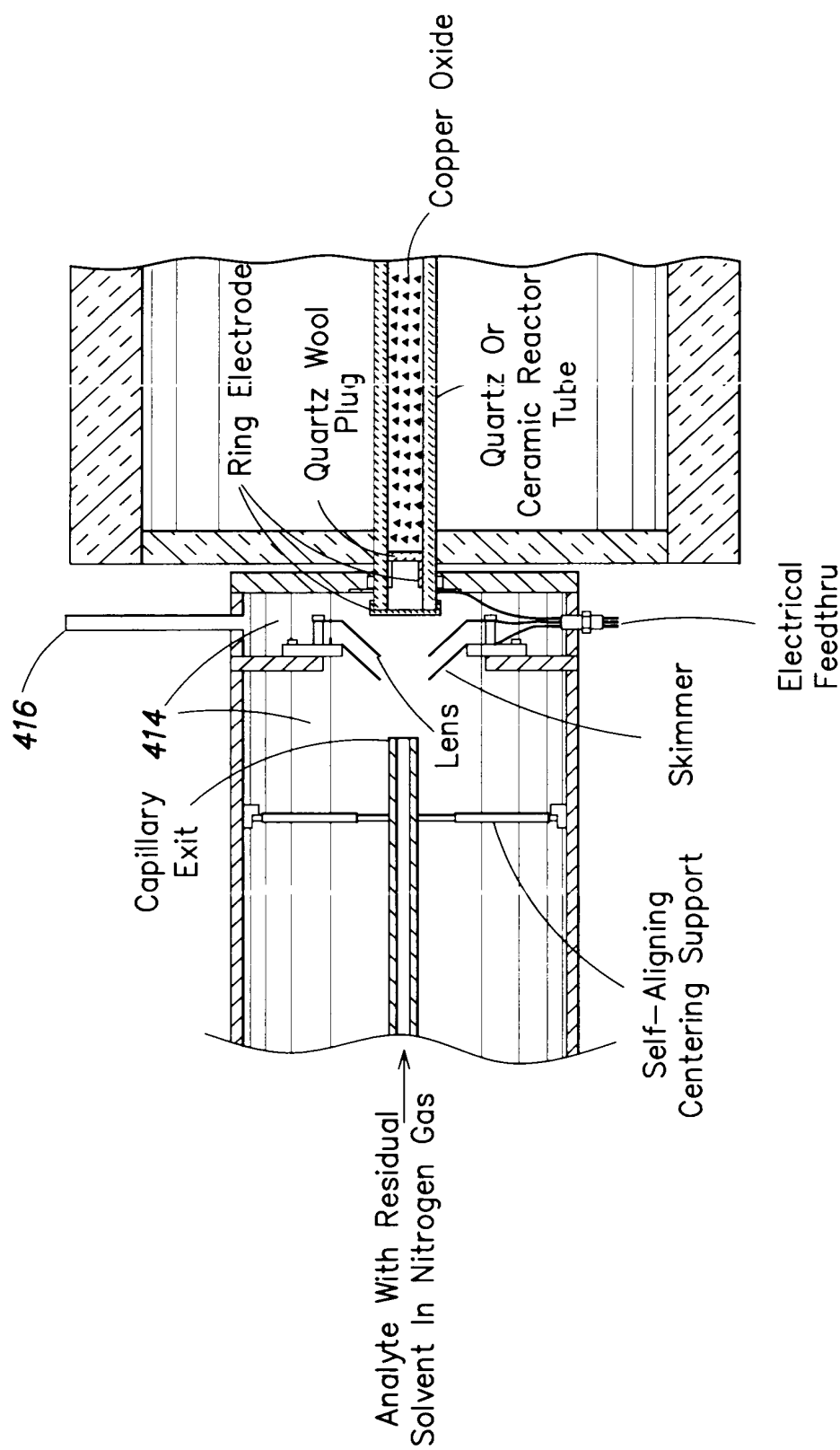


FIG. 4A



**FIG. 4B**

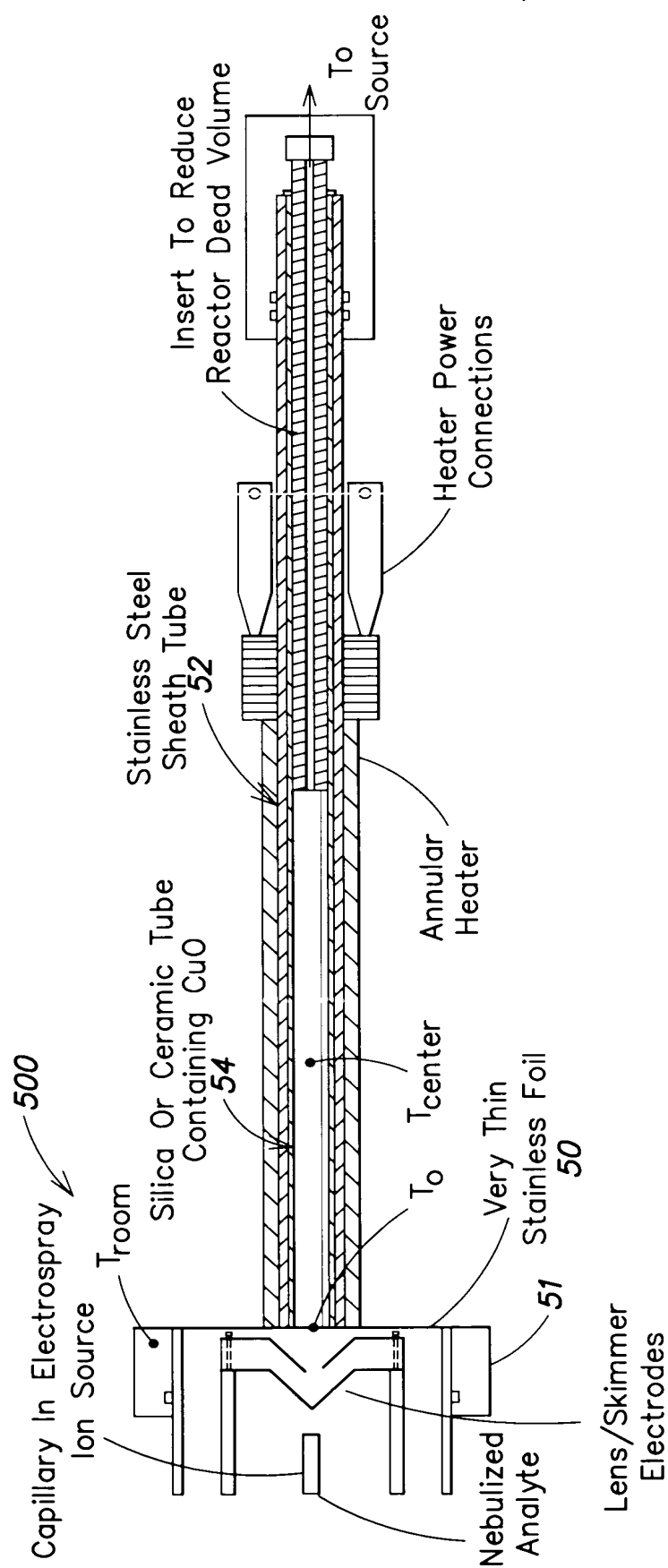


FIG. 5

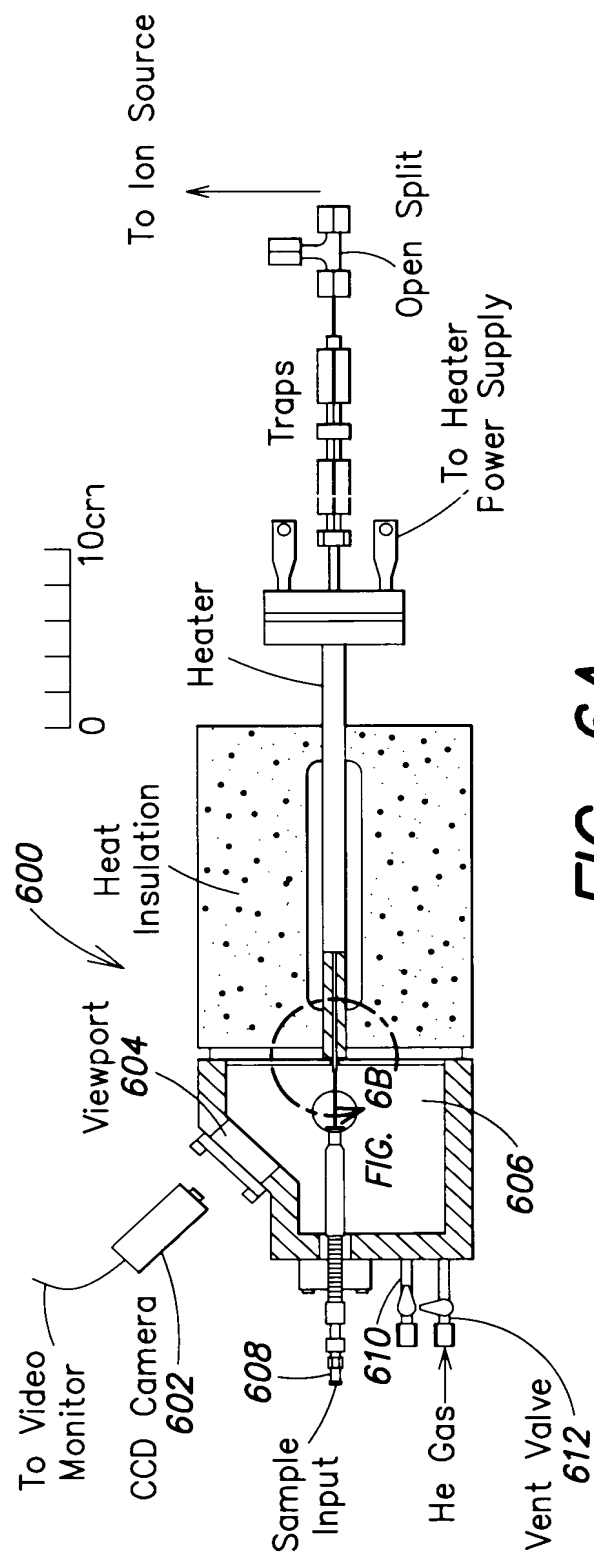


FIG. 6A

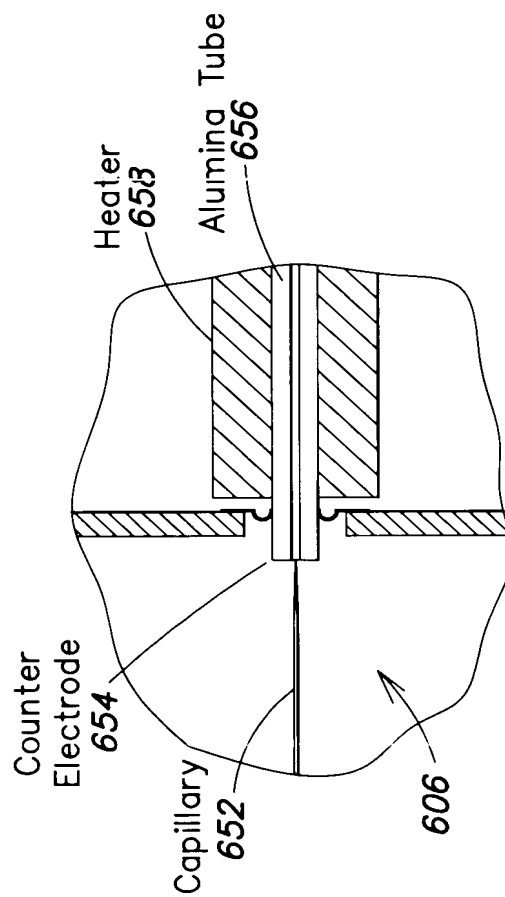


FIG. 6B



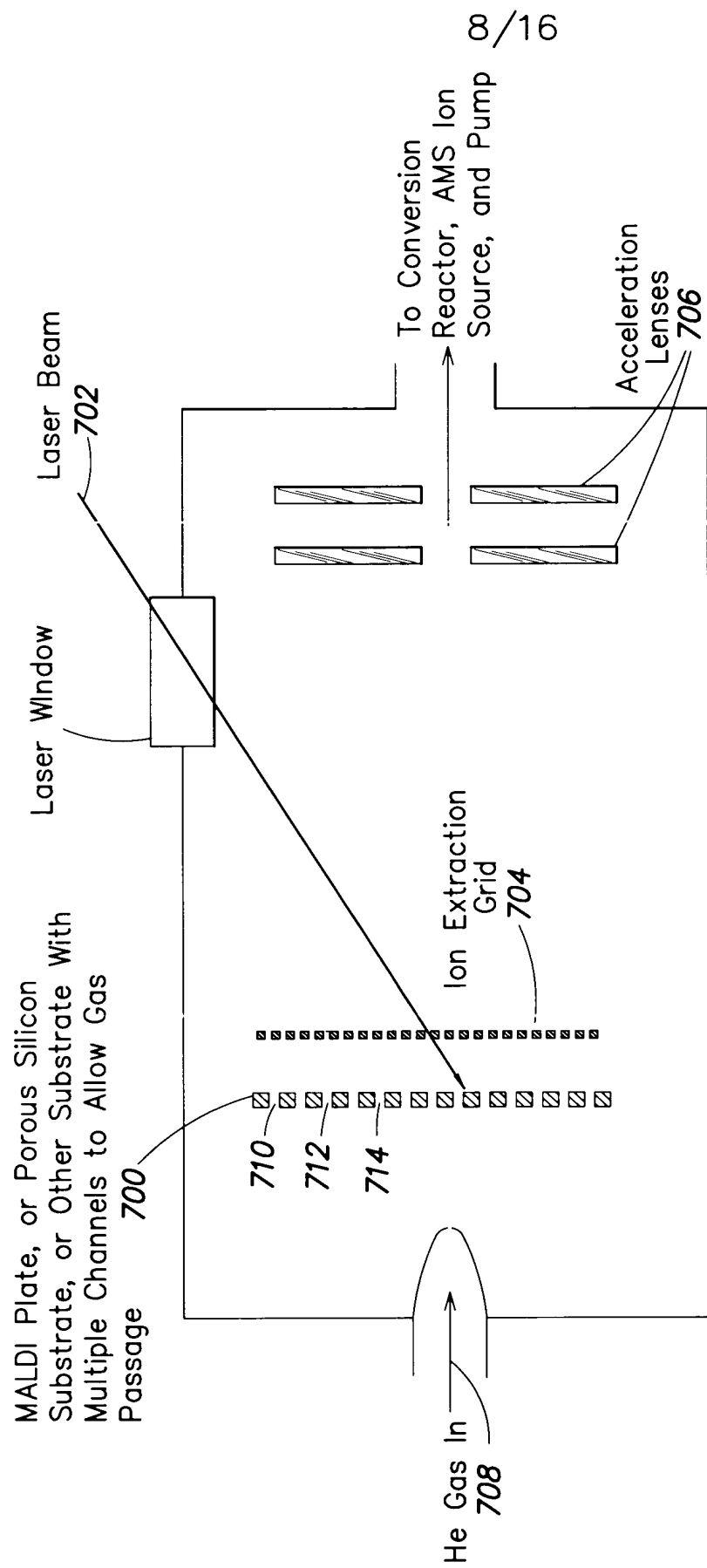


FIG. 7

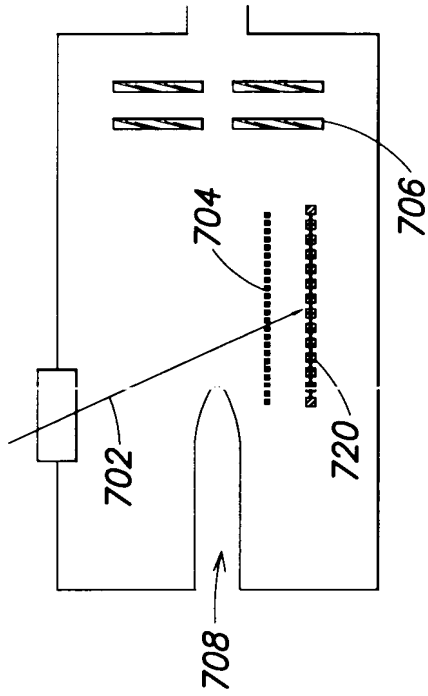


FIG. 8B

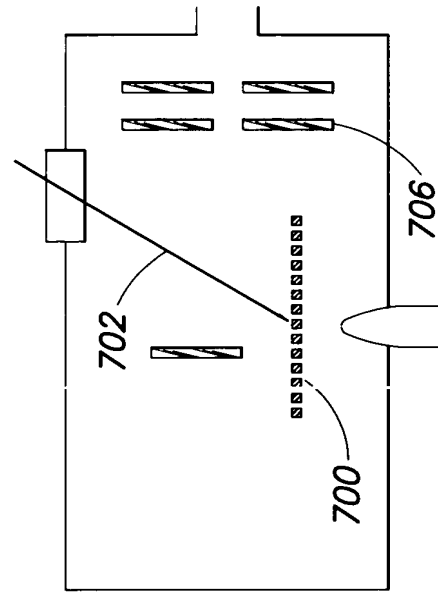


FIG. 8D

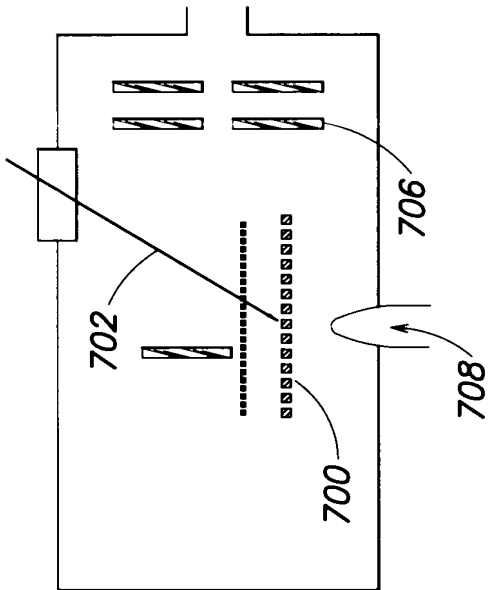


FIG. 8A

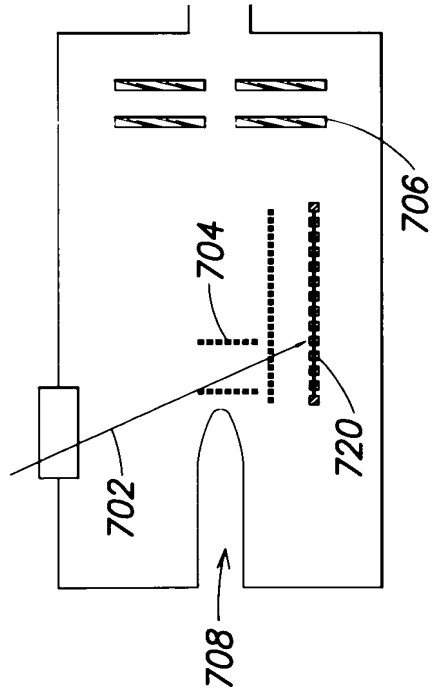


FIG. 8C

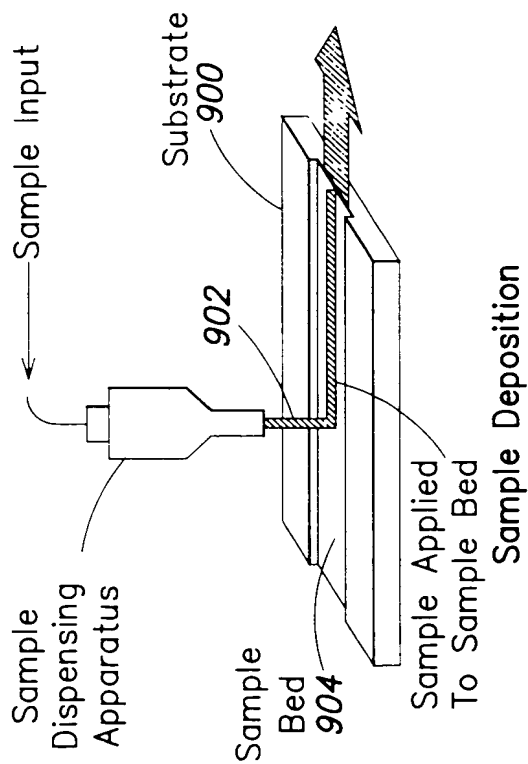


FIG. 9A

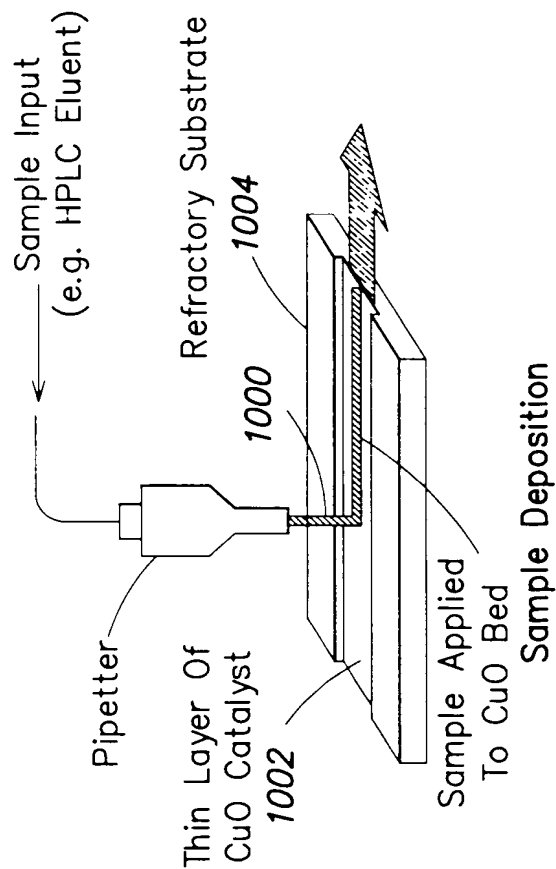


FIG. 10A

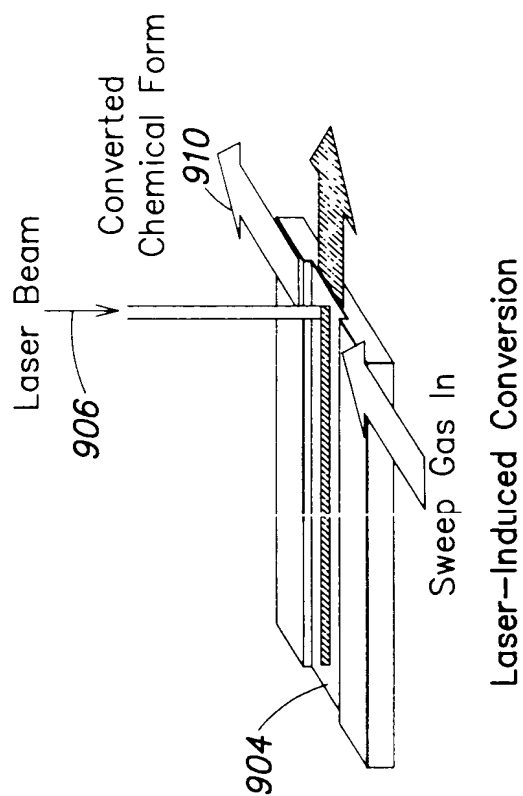


FIG. 9B

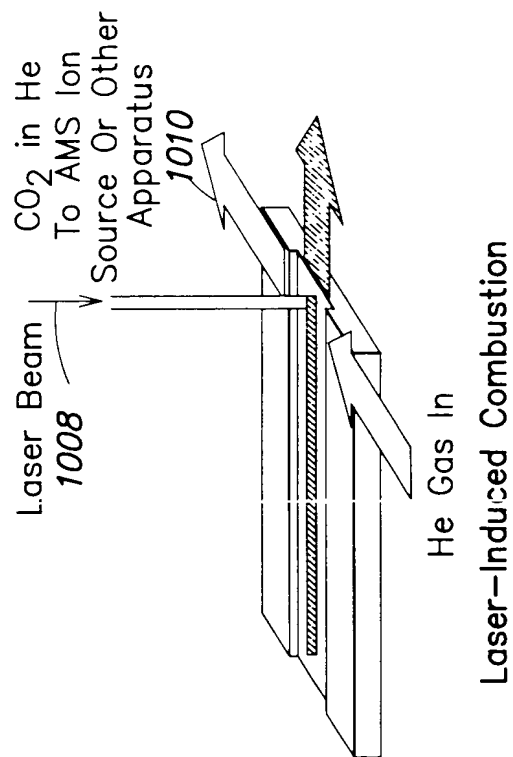


FIG. 10B

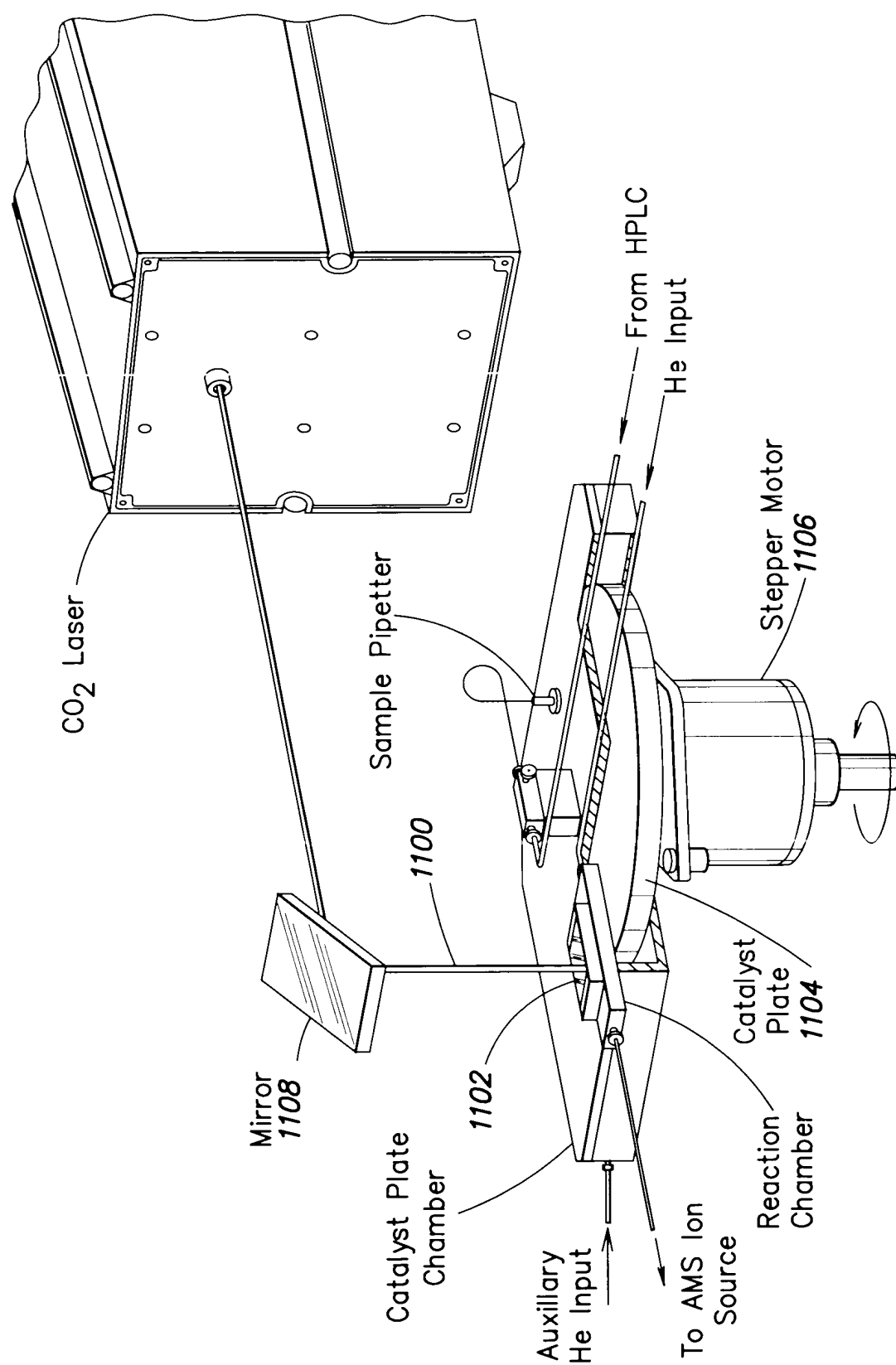
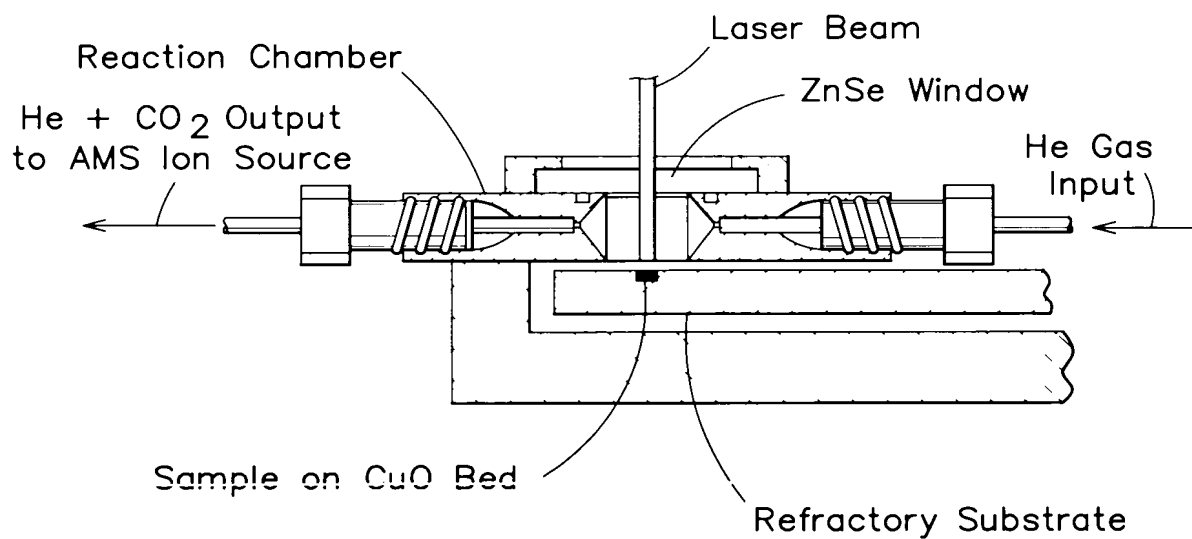
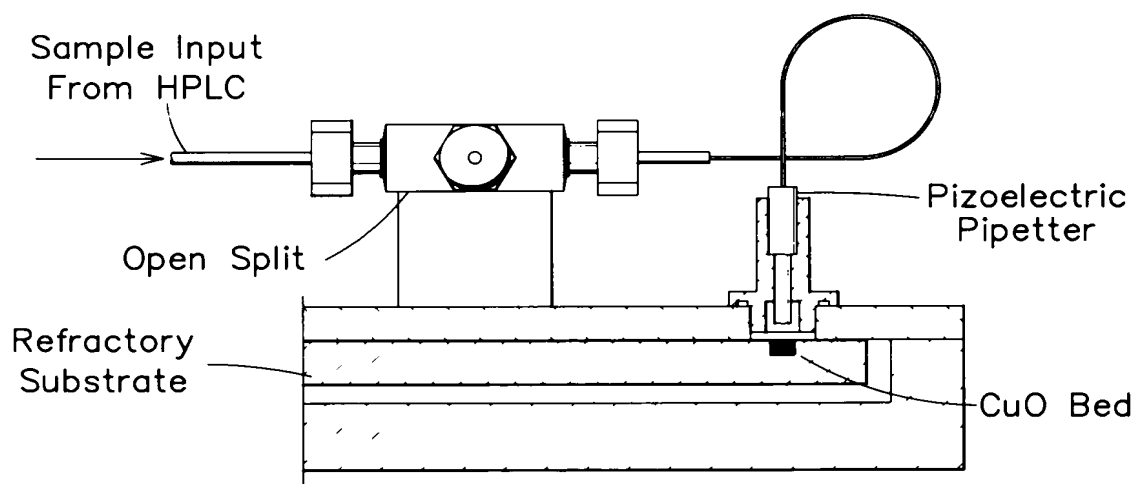


FIG. 11A

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**FIG. 11B**



**FIG. 11C**

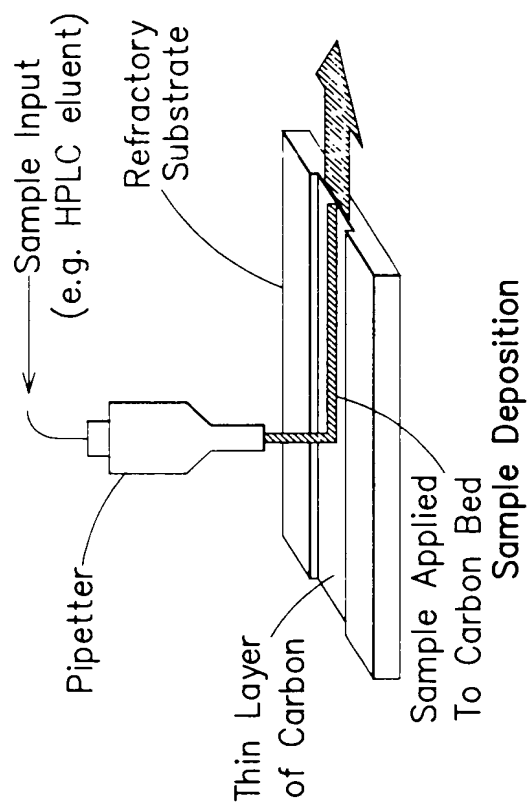


FIG. 12A

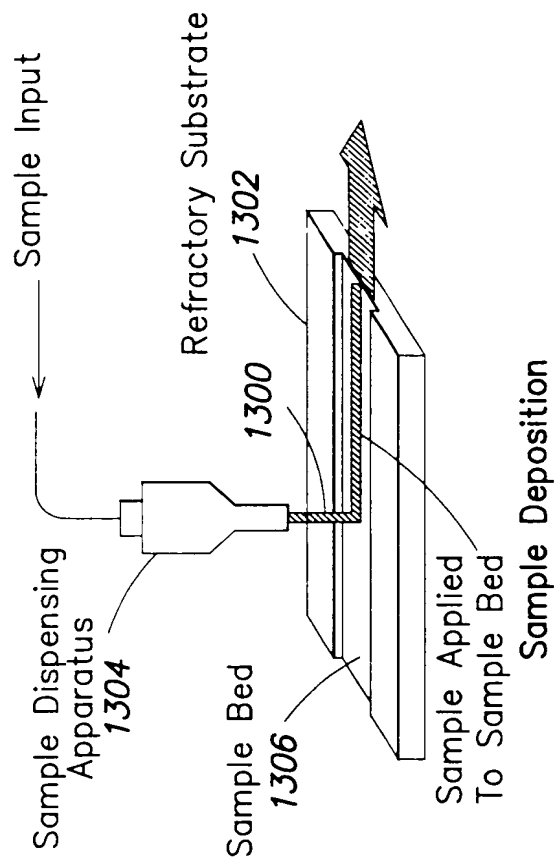


FIG. 13A

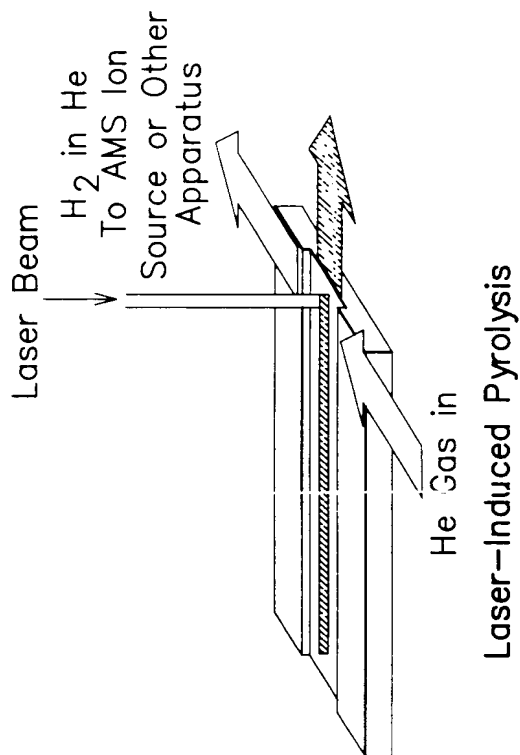


FIG. 12B

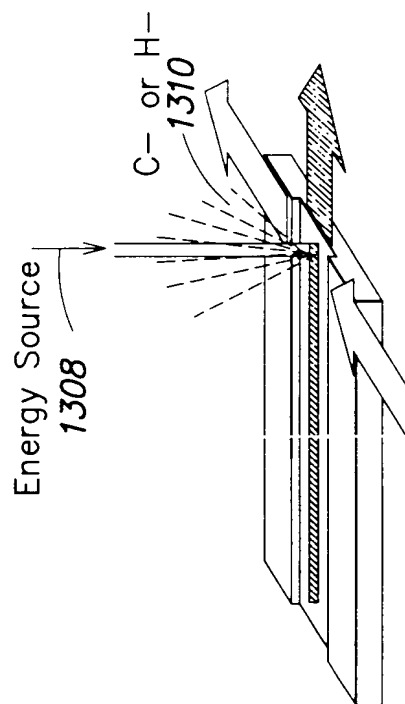
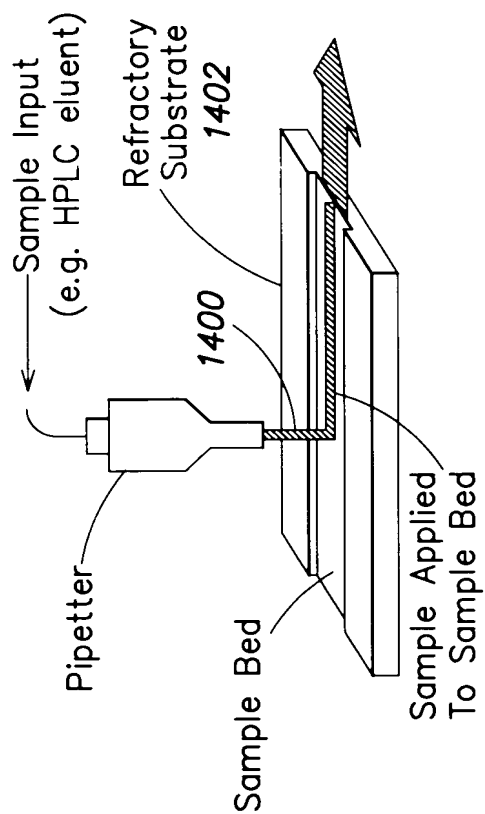
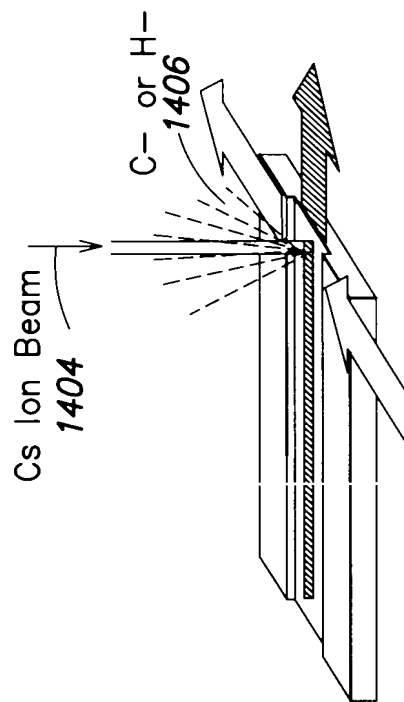


FIG. 13B



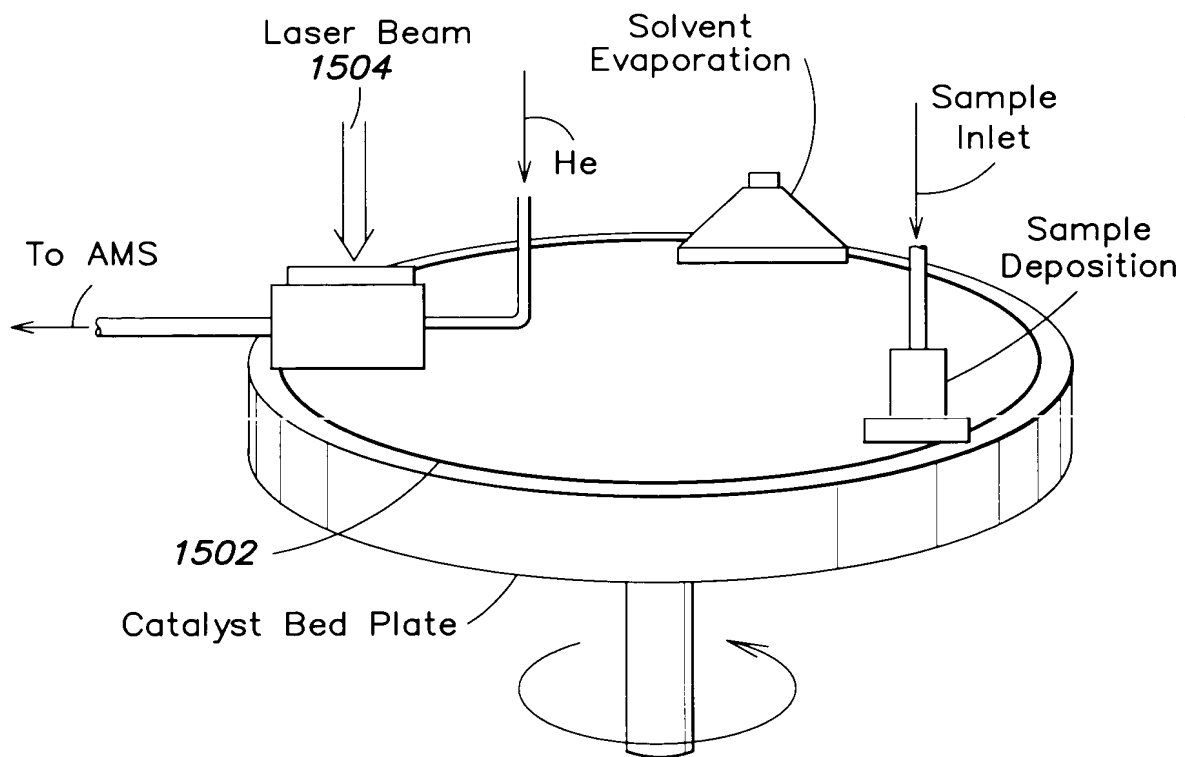
Sample Deposition

FIG. 14A

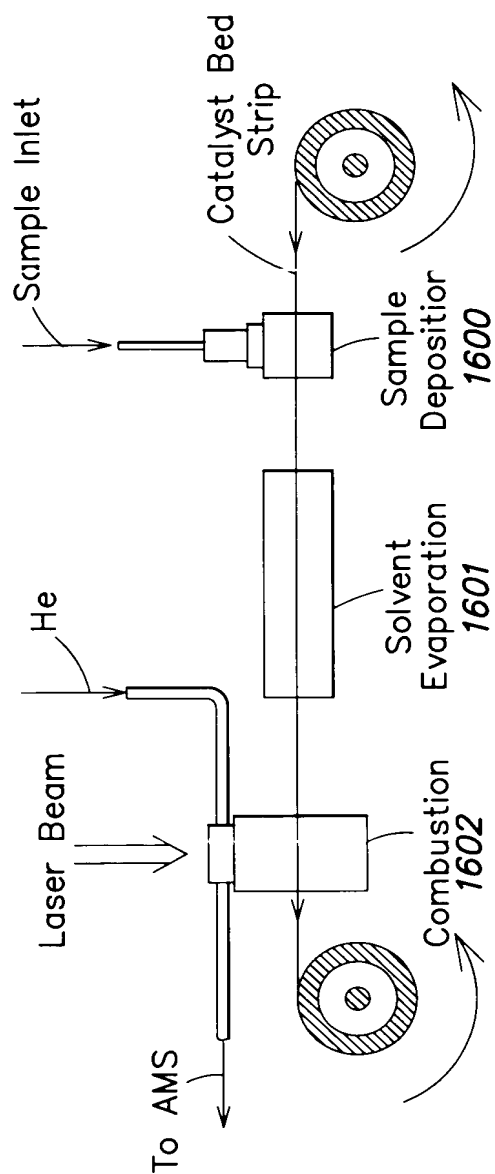


Conversion in Ion Source

FIG. 14B

**FIG. 15**



**FIG. 16**